

## MICROSTRUCTURES WITH ASSISTING OPTICAL LENSES

### ABSTRACT OF THE DISCLOSURE

A microstructure to interact with electromagnetic waves by changing optical aspect in selected areas in response to an external signal, the microstructure comprising: a plurality of responsive elements, each responsive element capable of presenting at least two different optical aspects and changing between the optical aspects based on an applied external signal; a support substrate containing the responsive elements; and a plurality of assisting optical lenses each optically enlarging an image from the responsive elements associated with the assisting optical lens.

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